

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001682

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21C 35/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2005753 A (SIEMAG TRANSPAN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG), 25 April 1979 (25.04.1979), abstract --	1-18
A	US 3167354 A (R.T. MACAUL ET AL), 26 January 1965 (26.01.1965), whole document --	1-18
A	US 4045088 A (K.-G. BECHEM), 30 August 1977 (30.08.1977), abstract --	1-18
A	FR 2461806 A1 (SOCIETE STEPHANOISE DE CONSTRUCTIONS MECANQUES), 6 February 1981 (06.02.1981), figure 2 --	1-18

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

9 February 2005

Date of mailing of the international search report

02-03-2005

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Lars Björk / MRo

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/01/2005

International application No.
PCT/SE 2004/001682

GB	2005753	A	25/04/1979	BE	871065 A	01/02/1979
				DE	2843055 A	19/04/1979
<hr/>						
US	3167354	A	26/01/1965	GB	989687 A	22/04/1965
<hr/>						
US	4045088	A	30/08/1977	AT	284976 A	15/05/1978
				AU	1310076 A	20/10/1977
				CA	1033373 A	20/06/1978
				DE	2616904 A	06/10/1977
				FR	2307950 A	12/11/1976
				GB	1520984 A	09/08/1978
				SE	7604450 A	18/10/1976
				ZA	7506187 A	29/06/1977
<hr/>						
FR	2461806	A1	06/02/1981	BR	8004506 A	03/02/1981
				CA	1145779 A	03/05/1983
				ES	493475 A	16/05/1981
				ES	8105439 A	16/08/1981
<hr/>						